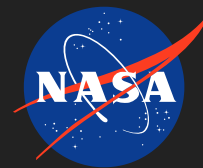
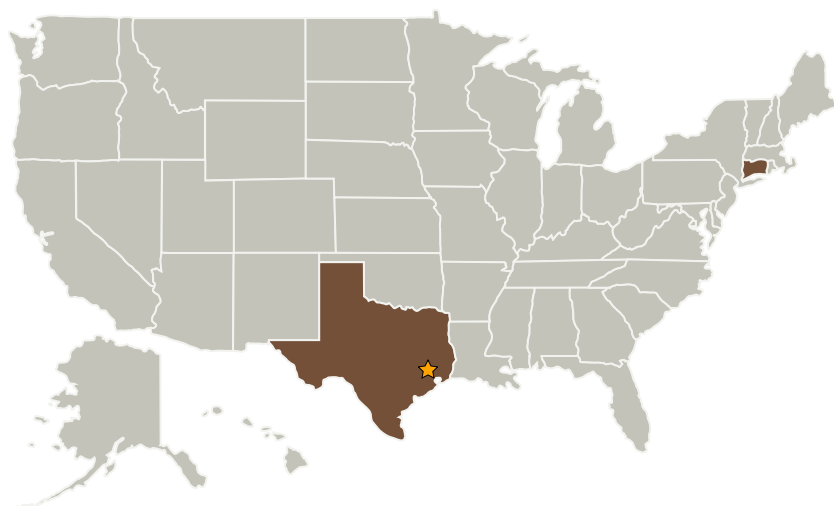


## Protein Microarrays for Bioreactor Bioproduct Monitoring, Phase I

Completed Technology Project (2001 - 2002)



## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Johnson Space Center(JSC)	Lead Organization	NASA Center	Houston, Texas
Ciencia, Inc.	Supporting Organization	Industry	East Hartford, Connecticut

## Primary U.S. Work Locations

Connecticut	Texas
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Protein Microarrays for  
Bioreactor Bioproduct  
Monitoring, Phase I

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## Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Center / Facility:**

Johnson Space Center (JSC)

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

# Protein Microarrays for Bioreactor Bioproduct Monitoring, Phase I

Completed Technology Project (2001 - 2002)



## Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

**Principal Investigator:**

Salvador M Fernandez

## Technology Areas

**Primary:**

- TX02 Flight Computing and Avionics
  - └ TX02.1 Avionics Component Technologies
    - └ TX02.1.1 Radiation Hardened Extreme Environment Components and Implementations